

IN THE CLAIMS

Replace the indicated claims with:

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are produced by the solid state photosensing devices in response to the two switchable levels of drive potentials.

3. (Amended) The image sensor as set forth in Claim 1, wherein the amplifying means has a linear input-output relation.

4. (Amended) The image sensor as set forth in Claim 2, wherein the amplifying means has a non-linear input-output relation.

5. (Amended) The image sensor as set forth in Claim 1, wherein the amplifying means produces the electric signal in digital format.

6. (Amended) The image sensor as set forth in Claim 1, further comprising storing means for storing reset signals produced by each of the solid state photosensing devices, wherein the amplifying means changes the variable gain according to the stored reset signals.

7. (Amended) The image sensor as set forth in Claim 1, wherein the solid state photosensing devices produce the electric signals in a non-linear relation with respect to quantity of incident light.

IN THE ABSTRACT

Replace the abstract with:

ABSTRACT OF THE DISCLOSURE

An image sensor producing an output image superior in uniformity by correcting variations in the characteristics of solid state photosensing devices (pixels). Correction utilizes a correlation between a reset signal and sensitivity of the solid state photosensing devices. A reset signal is produced by driving the solid state photosensing devices in a